

Amendments to the Claims:

1. (Previously amended) An optical pick-up actuator comprising:
  - a lens holder for housing an objective lens;
  - a tracking system for moving the lens holder in a first plane;
  - a focusing system for moving the lens holder in a second plane approximately perpendicular to the first plane;
  - an elongated frame having first and second opposite ends, said frame comprising a support means connected to said first and second opposite ends for supporting said lens holder in a first suspended state with respect to the first plane; and
  - a magnetic system in operational relationship with the first and second opposite ends of the frame, such that the magnetic system generates a magnetic field and at least the first end of the frame moves within the magnetic field to cause the frame to rotate about an elongated shaft running through the frame's first axis positioned between said first and second opposite ends of the frame, causing the support means to rotate the lens holder about the first axis to a second suspended state with respect to the first plane.
2. (Previously amended) The optical pick-up actuator of claim 1, wherein said magnetic system comprises first and second magnets such that in the first suspended state, each of said first and second magnets is respectively disposed opposite said first and second ends of the frame to generate the magnetic field, the optical pick-up actuator further comprising:
  - at least one of a first coil disposed at the first end of the frame; and
  - a second coil disposed at the second end of the frame;wherein said at least one of the first and the second coils when exposed to a current move within said magnetic field, in response to an applied electromotive force, thereby causing the frame to rotate about the shaft positioned along the first axis.
3. (Previously amended) The optical pick-up actuator of claim 1, wherein said frame is attached to a yoke via the elongated shaft.

4. (Previously amended) The optical pick-up actuator of claim 1, wherein said magnetic system comprises at least one coil attached to an end of the frame and one magnet for generating the magnetic field such that said frame rotates in a first direction about the shaft positioned along the first axis in response to an electric current flowing in said coil, in a first direction.

5. (Previously amended) The optical pick-up actuator of claim 4, wherein the frame rotates in a second direction about the shaft in response to the electric current flowing in said coil, in a second direction.

6. (Previously amended) The optical pick-up actuator of claim 1, wherein said shaft is supported by a bearing as it runs through the frame's first axis..

7. (Previously amended) The optical pick-up actuator of claim 1, wherein said shaft is made of a rigid material.

8. (Previously amended) The optical pick-up actuator of claim 1, wherein the support means comprises a plurality of biasing members to allow for flexible support of the lens holder in a suspended state.

9. (Previously amended) The optical pick-up actuator of claim 1, further comprising a second rotating means for rotating the lens holder about a second axis approximately perpendicular to the first axis.

10. (Previously amended) The optical pick-up actuator of claim 1, wherein said frame is elastically supported by a damper means.

11. (Cancelled)

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Currently amended) An optical pick-up system comprising:  
a lens holder for housing an objective lens;  
a vertical and horizontal moving system for moving the lens holder in first and second planes, wherein said first and second planes are approximately perpendicular;  
a frame having first and second opposite ends;  
first and second supportive braces, each respectively extending from first and second opposite ends of the frame for supporting said lens holder in a first suspended state with respect to the first plane, and

an electromagnetic mechanism comprising:

first and second coils, respectively connected to said first and second opposite ends of the frame; and

first and second magnets respectively located opposite said first and second coils;  
wherein the first and second magnets generates at least a magnetic field to interact with a current flowing in said first and second coils such that an electromagnetic force is generated as a result of said interaction to move said first and second ends of the frame within the magnetic field; and

wherein the electromagnetic force is translated into a rotational movement upon acting on the first and second ends of the frame to cause the frame to rotate about an elongated shaft running through the frame's first axis positioned between said first and second opposite ends of the frame.

18. (Cancel) The optical pick-up system of claim 17, wherein the electromagnetic force is translated into a rotational movement upon acting on the first and second ends of the

frame to cause the frame to rotate about an elongated shaft running through the frame's first axis positioned between said first and second opposite ends of the frame.

19. (Currently amended) The optical pick-up system of claim ~~18~~ 17, wherein the rotational movement of the frame is translated to the lens holder via the first and second supportive braces to rotate the lens holder about the first axis to a second suspended state with respect to the first plane.

20. (Currently amended) The optical pick-up system of claim ~~18~~ 17, wherein said frame is attached to a yoke via the elongated shaft.